

Attorney's Docket No. 42P17541

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Ovadia et al.

Application No.: 10/691,712

Filed: October 22, 2003

For: DYNAMIC ROUTE DISCOVERY FOR  
OPTICAL SWITCHED NETWORKS

Examiner: Sedighian, Reza

Art Unit: 2613

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on December 21, 2006.  
(Date of Deposit)

Yuko Tanaka

(Typed or printed name of person mailing correspondence)

Y. Tanaka

(Signature of person mailing correspondence)

12/27/2006 EAREGAY1 00000138 10691712

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180.00 00P

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

\_\_\_\_\_ 37 C.F.R. §1.97(b).

  X   **37 C.F.R. §1.97(c).** If so, then enclosed with this Information Disclosure Statement is one of the following:

\_\_\_\_\_ A statement pursuant to 37 C.F.R. §1.97(e) or

  X   **A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).**

\_\_\_\_\_ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

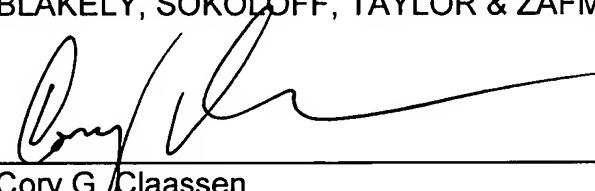
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: Dec. 21, 2006

  
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Patent  
Application No.: 42P17541In re the Application of: Ovadia et al.

(inventor(s))

Application No.: 10/691,712Filed: October 22, 2003For: DYNAMIC ROUTE DISCOVERY FOR OPTICAL SWITCHED NETWORKS

(title)

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR: Transmitted herewith is a **Response and Amendment** for the above-referenced application.

Applicant claims small entity status. See 37 CFR 1.27.

☒ No additional claim fee is required.☒ Information Disclosure Statement and applicable submission fee is included.

The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	Claims Remaining After Amd.		Highest No. Previously Paid For	Present Extra
Total Claims	* 29	Minus	** 29	0
Indep. Claims	* 3	Minus	*** 3	0
<input type="checkbox"/>	First Presentation of Multiple Dependent Claim(s)			

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest No. Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

SMALL ENTITY	
Rate	Additional Fee
X25	\$
X100	\$
+180	\$
Total Add. Fee	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
X50	\$ 0
X200	\$ 0
+360	\$
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on December 21, 2006  
Date of DepositYuko Tanaka

Name of Person Mailing Correspondence

Y. Tanaka  
SignatureDec. 21, 2006  
Date

\_\_\_\_\_ A check in the amount of \$ \_\_\_\_\_ is attached for presentation of additional claim(s).

\_\_\_\_\_ Applicant(s) hereby Petition(s) for an Extension of Time of \_\_\_\_\_ month(s) pursuant to 37 C.F.R. § 1.136(a).

X A check for \$ 180.00 is attached for Information Disclosure Statement submission fee under 37 C.F.R. § 1.17(p).

\_\_\_\_\_ Please charge my Deposit Account No. 02-2666 the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.

X The Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2666 (a duplicate copy of this sheet is enclosed):

X Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims.

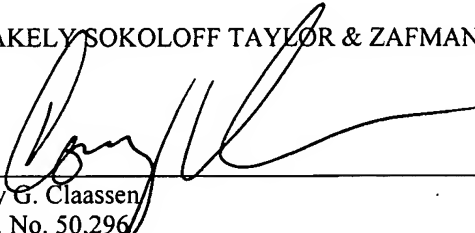
X Any extension or petition fees under 37 C.F.R. § 1.17.

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Date:

Dec. 21, 2006

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Cory G. Claassen  
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Substitute for Form 1449/PTO

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/691,712
Filing Date	October 22, 2003
First Named Inventor:	Ovadia et al.
Art Unit	2613
Examiner Name	Sedighlan, Reza
Attorney Docket Number	42P17541

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of

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)				
	1	us-	5,235,592	08/10/1993	Cheng et al.	
	2	us-	5,331,642	07/19/1994	Valley et al.	
	3	us-	5,550,803	08/27/1996	Crayford et al.	
	4	us-	5,559,796	09/24/1996	Edem et al.	
	5	us-	5,646,943	07/8/1997	Elwalid	
	6	us-	5,768,274	06/16/1998	Murakami et al.	
	7	us-	5,838,663	11/17/1998	Elwalid et al.	
	8	us-	5,970,050	10/19/1999	Johnson	
	9	us-	5,978,356	11/02/1999	Elwalid et al.	
	10	us-	6,111,673	08/29/2000	Chang et al.	
	11	us-	6,222,839 B1	04/24/2001	Nakazaki et al.	
	12	us-	6,260,155 B1	07/10/2001	Dellacona	
	13	us-	6,272,117 B1	08/07/2001	Choi et al.	
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	15	us-	6,339,488 B1	01/15/2002	Beshai et al.	
	16	us-	6,400,863 B1	06/04/2002	Weinstock et al.	
	17	us-	6,411,506 B1	06/25/2002	Hipp et al.	
	18	us-	6,466,586 B1	10/15/2002	Darveau et al.	
	19	us-	6,487,686 B1	11/26/2002	Yamazaki et al.	
	20	us-	6,490,292 B1	12/03/2002	Matsuzawa	
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	22	us-	6,519,062 B1	02/11/2003	Yoo	
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	24	us-	6,615,382 B1	09/02/2003	Kang et al.	
	25	us-	6,542,499 B1	04/01/2003	Murphy et al.	
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	29	us-	6,842,424 B1	01/11/2005	Key et al.	
	30	us-	6,873,797 B2	03/29/2005	Chang et al.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/691,712	
				Filing Date	October 22, 2003	
				First Named Inventor:	Ovadia et al.	
				Art Unit	2613	
				Examiner Name	Sedighlan, Reza	
Sheet	2	of	8	Attorney Docket Number	42P17541	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)				
	31	US-	6,925,257 B1	08/02/2005	Yoo	
	32	US-	6,956,868 B2	10/18/2005	Qiao	
	33	US-	6,987,770 B1	01/17/2006	Yonge, III	
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	36	US-	2002/0018263 A1	02/14/2002	Ge et al.	
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	38	US-	2002/0023249 A1	02/21/2002	Temullo et al.	
	39	US-	2002/0027686 A1	03/07/2002	Wada et al.	
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	41	US-	2002/0109878 A1	08/15/2002	Qiao	
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	46	US-	2002/0196808 A1	12/26/2002	Karri et al.	
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	50	US-	2003/0031198 A1	02/13/2003	Currihan et al.	
	51	US-	2003/0037297 A1	02/20/2003	Araki	
	52	US-	2003/0039007 A1	02/27/2003	Ramadas et al.	
	53	US-	2003/0053475 A1	03/20/2003	Veeraraghavan et al.	
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	57	US-	2004/0004966 A1	01/08/2004	Foster et al.	
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	59	US-	2004/0208554 A1	10/21/2004	Wakai et al.	
	60	US-	2004/0131061 A1	07/08/2004	Matsuoka et al.	
Examiner Signature					Date Considered	

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		Number-Kind Code <sup>2</sup> (if known)				
	61	US-	2004/0156325 A1	08/12/2004	Perkins et al.	
	62	US-	2004/0156390 A1	08/12/2004	Prasad et al.	
	63	US-	2005/0068995 A1	03/31/2005	Lahav et al.	
	64	US-	2005/0152349 A1	07/14/2005	Takeuchi et al.	
	65	US-	2005/0259571 A1	11/24/2005	Battou	
	66	US-	2006/0008273 A1	01/12/2006	Xue et al.	
		US-				

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	67	EP	0876076		11/04/1998	NEC Corporation		
	68	EP	1073307		01/31/2001	Oki Electric Industry Co., Ltd.		
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	72	EP	1217862		06/26/2002	Alcatel USA Sourcing, L.P.		
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	79	CN	1384618		12/11/2002	Univ. Tsinghua		
	80	CN	1426189		06/25/2003	Univ. Tsinghua		
	81	CN	1406000		03/26/2003	Univ. Shanghai Communication		

Examiner Signature	Date Considered
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Sheet	4	of	8	Attorney Docket Number	42P17541
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	82	O'MAHONY, MIKE J. et al., "The Application of Optical Packet Switching in Future Communication Networks", IEEE Communications Magazine, March 2001, pp. 128-135.			
	83	YAO, SHUN et al., "All-Optical Packet Switching for Metropolitan Area Networks: Opportunities and Challenges", IEEE Communications Magazine, March 2001, pp. 142-148.			
	84	QIAO, CHUNMING DR. et al., "Optical Burst Switching", Business Briefing: Global Photonics Applications and Technology, pp. 108-112.			
	85	QIAO, CHUNMING "Labeled Optical Burst Switching for IP-over-WDM Integration", IEEE Communications Magazine, September 2000, pp. 104-114.			
	86	CARENA, A. et al., "OPERA: An Optical Packet Experimental Routing Architecture with Label Swapping Capability", Journal of Lightwave Technology, Vol. 16, No. 12, December 1998, pp. 2135-2145.			
	87	ZHONG, WEN DE, "A New Wavelength-Routed Photonic Packet Buffer Combining Traveling Delay Lines with Delay-Line Loops", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 19, No. 8, August 2001, pp. 1085-1092.			
	88	WIESMANN, D. et al., "Apodized Surface-Corrugated Gratings with Varying Duty Cycles", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 12, No. 6, June 2000, PP. 639-640.			
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	90	ERDOGAN, TURAN, "Fiber Grating Spectra", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1277-1294.			
	91	SUGDEN, K. et al., "Fabrication and Characterization of Bandpass Filters Based on Concatenated Chirped Faber Gratings", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1424-1432.			
	92	GILES, C.R., "Lightwave Applications of Fiber Bragg Gratings", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1391-1404.			

Examiner Signature		Date Considered	
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Sheet	5	of	8	Attorney Docket Number		42P17541
<b>NON PATENT LITERATURE DOCUMENTS</b>						
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	93	WILLNER, A. E. et al., "Tunable Compensation of Channel Degrading Effects Using Nonlinearly Chirped Passive Fiber Bragg Gratings", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 5 September/October 1999, pp. 1298-1311.				
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				Application Number	10/691,712
				Filing Date	October 22, 2003
				First Named Inventor:	Ovadia et al.
				Art Unit	2613
				Examiner Name	Sedighlan, Reza
Sheet	6	of	8	Attorney Docket Number	42P17541
<b>NON PATENT LITERATURE DOCUMENTS</b>					
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	104	KHATTAR, RAVI KUMAR et al., "Introduction to Storage Area Network, SAN", International Technical Support Organization, August 1999, www.redbooks.ibm.com			
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	133	Office Action mailed on 11/29/2006. Ovadia et al., "ARCHITECTURE, METHOD AND SYSTEM OF MULTIPLE HIGH-SPEED SERVERS TO NETWORK IN WDM BASED PHOTONIC BURST-SWITCHED NETWORKS," U.S. Patent Application No. 10/417,823, filed 04/16/2003. (Atty Docket No. 42P15726)			

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